TOSHIBA

Colour television

Owner's manual

ZH36/37 Series

Contents

SETTING UP

Safety precautions – Some *do's* and *don'ts* for you to be aware of 3
The remote control – an at-a-glance guide 4
Connecting external equipment 5
Front connections and controls 6
Selecting the language, country and system, Auto tune 7
Manual tune – an alternative to *Auto tuning* 8
Programme skip 9
Manual fine tuning, Sorting programme positions 10

CONTROLS

General controls – changing programme position 11
Sound controls – volume, sound mute, bass/treble/balance, volume correction, dynamic sub bass 11
Widescreen viewing 12
Picture controls – picture preferences, noise reduction, black stretch, picture position, automatic format (widescreen), still picture 13

FEATURES

Virtual Dolby Surround (ZH37 models only) 14
The timer and time display – setting the TV to turn off and time display 15
Panel lock – disabling the buttons on the TV 15
Stereo and bilingual transmissions – stereo or dual language broadcasts 15
Input selection and AV connections – input and output sockets for connected equipment 16

TELETEXT

Setting up, general information, Auto and List modes 17
Control buttons 18

PROBLEM SOLVING

Questions and Answers 19

INFORMATION

Index, Specifications and Accessories – information on your television 20

WARNING! NEVER LEAVE A STATIONARY IMAGE ON THE SCREEN

If stationary images generated by TELETEXT, CHANNEL IDENTIFICATION LOGOS, COMPUTER DISPLAYS, VIDEO GAMES, ON SCREEN MENUS, etc. are left on the TV screen for any length of time, they could become permanently ingrained.

If you use your television to display completely still images, or moving pictures which have a permanent still image superimposed *e.g.* broadcast network logos, it is always advisable to reduce BOTH the brightness and contrast settings.

Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damge caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner's failure and/or neglect to follow the instructions set out in the owner's manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave at least 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the TV. Dusty places should also be avoided.

Heat Damage

Damage may occur if the TV is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity, or locations where the temperature is likely to fall below 5°C (41°F).

Mains Supply

The mains supply required for this equipment is 230v AC 50Hz. Never connect to a DC supply or any other power source. DO ensure that the TV is not standing on the mains lead. DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is 13A, and is approved by ASTA or BSI to *BS1362*. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.
IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

Do not

DON'T remove any fixed cover as this may expose dangerous voltages.

DON'T obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DON'T allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DON'T place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DON'T use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturer's approved stand or legs with the fixings provided according to the instructions.

DON'T listen to headphones at high volume, as such use can permanently damage your hearing.

DON'T leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off using the switch on the equipment and make sure your family know how to do this. Special arrangements may need to be made for infirm or handicapped people.

DON'T continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

ABOVE ALL – NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case – this could result in a fatal electric shock.

NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

TO FULLY DISCONNECT THE TV, SWITCH OFF THE MAINS SOCKET AND REMOVE THE POWER PLUG.

The remote control

Simple at-a-glance reference of your remote control.

To display teletext

To bring up on-screen information and for the teletext initial/index function

For On/Standby mode

Number buttons

To select input from external sources
To access sub-pages when in teletext mode

To return to the previous programme

Selectable picture preferences

Widescreen viewing

On-screen Menus

To exit Menus

To change programme positions and teletext pages
To alter the volume
When using menus the arrows move the cursor on the screen up, down, left or right. **OK** *to confirm your selection*

For quick reference to topics, please see the INDEX at the end of this manual.

Teletext control buttons

Virtual Dolby Surround (ZH37 models only)

To select mode

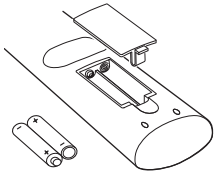
Dynamic Sub Bass

To mute the sound

When in VCR or DVD mode:
press ⏸ to PAUSE
press ⏏ to EJECT
press ⏮ to SKIP-REWIND
press ⏭ to SKIP-FORWARD
press ▶ to PLAY
press ■ to STOP
press ◀◀ to REWIND
press ▶▶ to FAST FORWARD

When in TV mode:
Still picture
I/II *Stereo/bilingual reception*
Time display
When in Teletext mode:
To reveal concealed text
To hold a wanted page
To enlarge teletext display size
To select a page whilst viewing a normal picture

Inserting batteries and effective range of the remote



Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round.

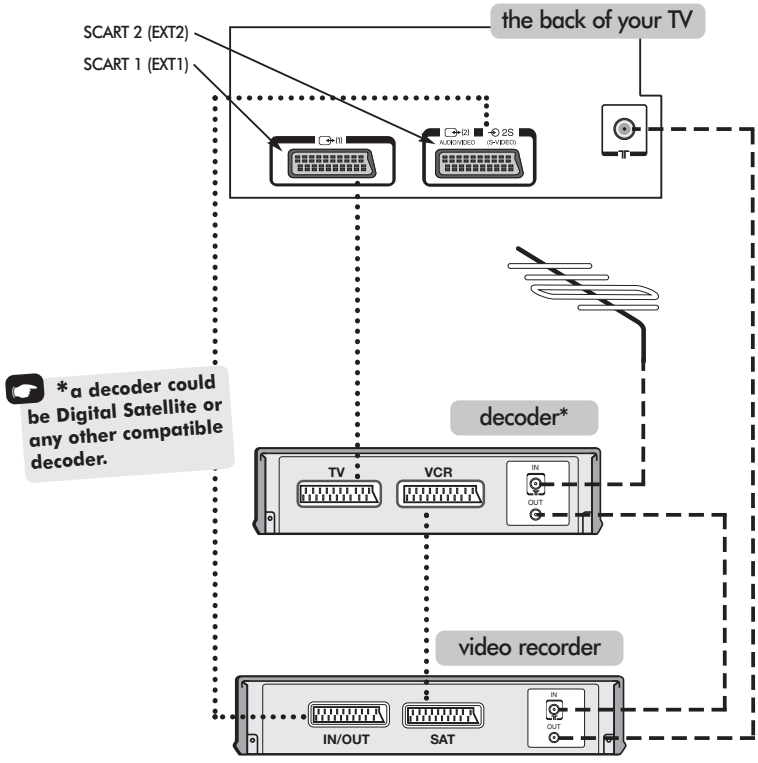
Suitable battery types for this remote are UM-4, AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Dispose of them in a designated disposal area.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the TV.

Connecting external equipment

Before connecting any external equipment, turn off all main power switches.



WE RECOMMEND THAT YOU USE SCART LEADS IN ADDITION TO AERIAL CABLES WHEREVER POSSIBLE

Aerial cables:

Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a video recorder it is essential that the aerial cable is connected through the decoder and/or through the video recorder to the television.

Scart leads:

Connect the video recorder **IN/OUT** socket to the TV. Connect the decoder **TV** socket to the TV. Connect the video recorder **SAT** socket to the decoder **VCR** socket.

Before running **Auto tuning** put your decoder and video recorder to **Standby**.

A wide variety of external equipment can be connected to the back of the TV, therefore the relevant owners manuals for *all* additional equipment *must* be referred to.

We recommend *Scart 1* for a decoder, *Scart 2* for a VCR and *Input 3* for additional equipment.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2**. *See page 16.*

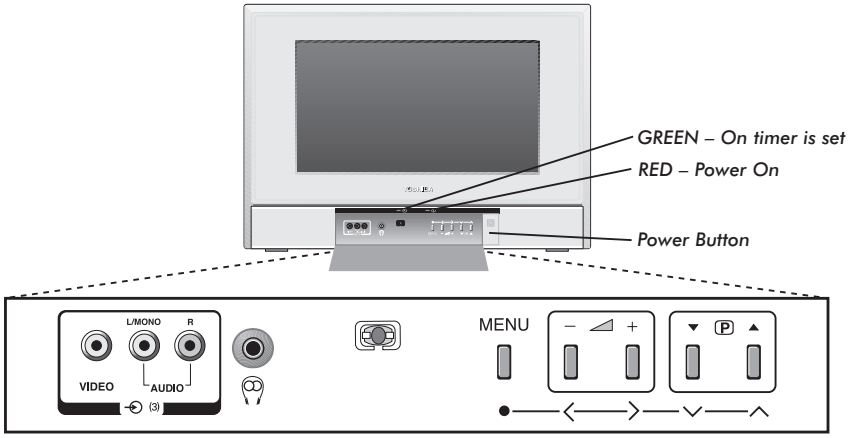
If the TV automatically switches over to monitor external equipment, return to normal TV by pressing the desired programme position button.

To recall external equipment, press ⇥ to select between **EXT1**, **EXT2** and **EXT3**.

Front connections and controls

A wide variety of external equipment can be connected via the sockets located behind the flap on the TV. Press the centre of the flap to open it.

Whilst all the necessary adjustments and controls for the TV are made using the remote control, the buttons on the TV may be used for some functions.



Switching on

If the power-on light is unlit press the POWER button on the front of the TV to switch the set on, then press a number button on the remote control to see the screen.

To put the set into Standby press ⏻ on the remote control. To view the TV press ⏻ again or any of the number buttons. The picture may take a few seconds to appear. Standby should only be used for short periods of time.

To set up the TV you will now need to use the on-screen menus. Press the **MENU** button on the remote control to see the top menu bar.

This white menu bar will show five different topics shown in symbols. As each symbol is selected by pressing the ❮ or ❯ button on the remote control, its respective options will appear below.

To use the options press the ❯ button on the remote control to move down through them and ❮ or ❯ to select the required choice. Follow the on screen instructions.

The functions of each menu are described in detail throughout the manual.

Using the controls and connections

To alter the volume press — ◿ +.

To alter the programme position press ▼ Ⓟ ▲.

Press **MENU** and ❮, ❯, ❯ or ❮ to control the sound and picture options.

Press **MENU** to finish.

Before connecting any external equipment, turn off all main power switches.

When connecting mono sound equipment to ***Input 3***, connect the audio output of the equipment to the L/Mono socket on the TV.

To select the Inputs, press ⏻ until the display shows **EXT3** as described on *page 16*.

Please always refer to the owner's manual of the equipment to be connected for full details.

Please note: Inserting the headphone jack will mute the sound from all speakers.

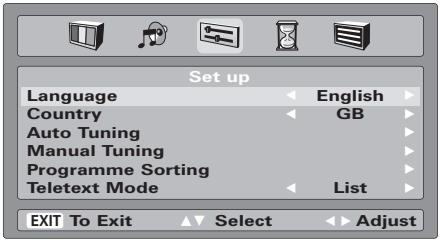
This TV has an Automatic Tuning System, choose your Country and it will tune and identify most stations.

Selecting the language, country and system, Auto tune

Before running Auto tune put your decoder and video recorder to **Standby**. To set up the TV use the buttons on the remote control as detailed on page 4.

1 To choose the required language, press **MENU** and use ❯ to select **Set up**.

2 Press ❯ to highlight **Language**.

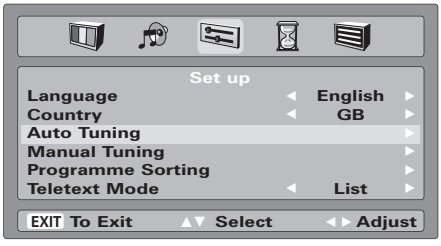


3 Press ❮ or ❯ to select.

4 If you need to change the country, press ❯ to highlight **Country**. Then ❮ or ❯ to select. The TV will now tune the stations for your country.

Country	England	Germany	France	Spain	Italy	Portugal
Abbreviation	GB	D	F	E	I	P

5 Now press ❯ to highlight **Auto Tuning**, then ❯ to select.



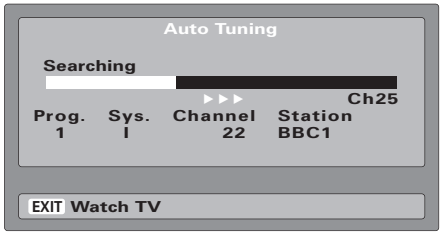
6 Your **System** will have been selected, if there is a choice, press ❮ or ❯ to select from the systems displayed.

B/G – Continental Europe, **I** – UK
D/K – Eastern Europe, **L1**, **L2** – France

7 Press ❯ to highlight **START** then **OK** to start **Auto Tuning**.

8 The search will begin for all available stations. ▶▶▶ will flash and the bar will move along the line as the search progresses.

You must allow the television to complete the search.



9 When the search is complete the TV will automatically return to programme position 1. This may not be a clear picture or the signal may be weak, so the station order may be changed by using **Programme sorting**, *on page 9*.

If the television cannot be connected to a video/decoder with a Scart lead or if a station on another ***system*** is required, use **Manual tuning** to allocate a programme position, *see page 8*.

Manual tune

As an alternative to **Auto Tuning**, the TV can be tuned-in manually using **Manual Tuning**. For example: if the television cannot be connected to a video/decoder with a Scart lead or to tune-in a station on another **System** (*see page 7*).

Use ❮ and ❯ to move across the screen and select any of these Manual Tune options.

Programme: The number to be pressed on the remote control.

System: Specific to certain areas. *See page 7.*

Search: Search up and down for a signal.

Programme skip: * means nothing has been stored or the facility to *skip* the channel is ON. *See page 9.*

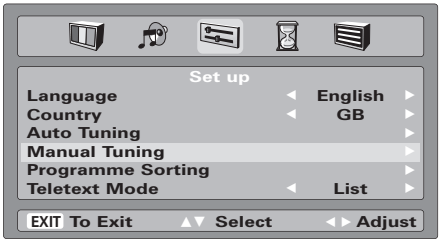
Channel: The channel number on which a station is being broadcast.

Manual fine tuning: Only used if interference/weak signal is experienced. *See page 10.*

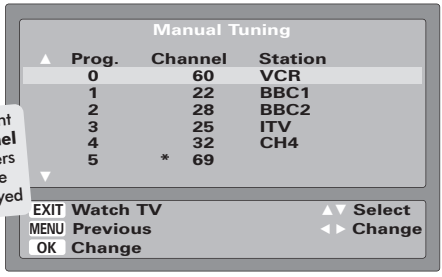
Station Name: Station identification. Use the ^ or v and ❮ or ❯ buttons to enter up to seven characters.

To allocate a programme position on the television for a decoder and VCR: turn the decoder on, insert a pre-recorded tape in the video and press PLAY, then manually tune.

1 Press **MENU** and using ❮ or ❯ select the **Set up** menu, with v highlight **Manual tuning**, press ❯ to select.



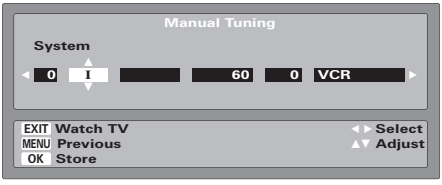
2 Use ^ or v to highlight the programme position required e.g. we suggest ***Prog. 0*** for a video.



Different **Channel** numbers may be displayed

3 Press **OK** to select.

4 Press ❯ to select **System** and use ^ or v to change (*if required, see page 7*).



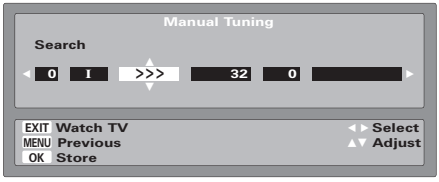
Continues on the next page

Manual tune continued
Programme skip

4 Press ❯ to select **System** and use ❮ or ❯ to change (*if required, see page 7*).

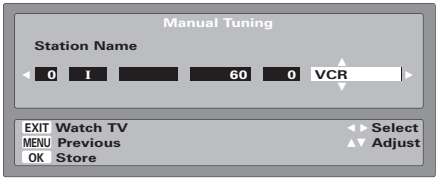
5 Then press ❯ to select **Search**.

6 Pressing ❮ or ❯ will begin the search. **Search** will flash and the television will show the channel numbers.



7 Each signal will show on the television, if it is not your VCR, press ❮ or ❯ again to restart the search.

8 When your VCR signal is found, press ❯ to move along to **Station**. With ❮, ❯, ❬ and ❭ put in the required Name, e.g. **VCR**.



9 Press **OK** to store.

10 Repeat for each ***programme position*** you want to tune or, press **MENU** to return to the list of channels and select the next number to tune.

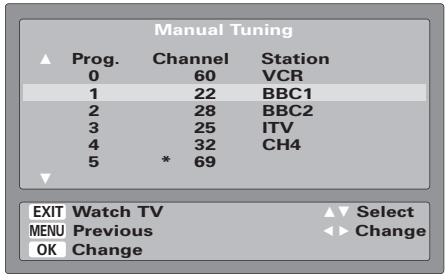
11 Press **EXIT** when you have finished.

PLEASE NOTE This TV has direct channel entry if the channel numbers are known. Select the **Manual Tuning** screen in ***Step 3***. Enter the **Programme number**, the **System**, then the **Channel** number. Press **OK** to store.

Programme skip

To prevent certain programmes from being viewed, the programme position can be skipped and the remote control removed. The television can then be watched as normal using the controls on the front, but the set will not show the skipped programme position.

1 Select **Manual Tuning** from the **Set up** menu.

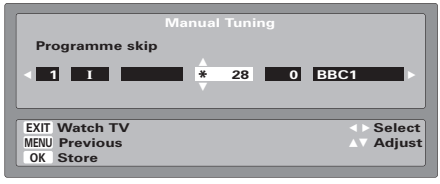


2 Use ❮ or ❯ to highlight the programme position to be skipped and press **OK** or ❯ to select.

3 Press ❯ to select **Programme skip**.

4 Use ❮ or ❯ to turn **Programme skip** on. Press **OK** to store.

***** on the screen indicates a skipped programme position.



5 Press **MENU** and repeat from ***Step 2*** or press **EXIT**.

Each programme position has to be *individually* selected. To turn **Programme skip** off, repeat the procedure for each position.

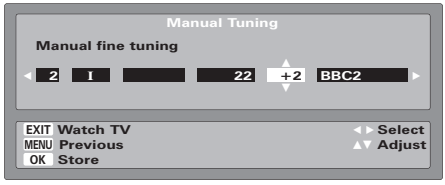
Skipped programme positions ***cannot*** be selected by **P▲** (❮) and **P▼** (❯) or by the controls on the front of the TV, but can still be accessed by the number buttons on the remote control.

Manual fine tuning, Sorting programme positions

Manual fine tuning

Manual fine tuning *should not be required unless interference is experienced or the signal is weak.*

1. Select **Manual tuning** from the **Set up** menu. Highlight the station and press **OK**.
2. Press ❯ to select **Manual fine tuning**.

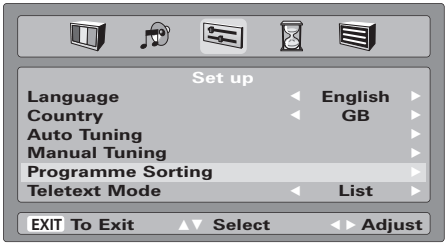


4. Using ❮ or ❯ adjust to get the best picture and sound.
5. Press **OK** and then **EXIT**.

Sorting programme positions

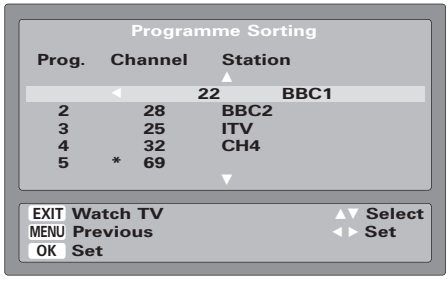
Programme sorting *is an easy way of storing each channel on the programme position of your choice, or changing the station order if the picture is not clear.*

1. Select **Programme sorting** from the **Set up** menu.



2. The list of stations is now showing. With ❯ or ❮ highlight the station you want to *move* and press **OK** or ❯.

   The selected station will be moved to the right of the screen.



3. Use ❯ or ❮ to move through the list to your *preferred* position. As you do so the other stations will move to make room.
4. Press **OK** or ❯ to set your move.
5. Repeat as necessary, then press **EXIT**.

General and sound controls

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using **P▲** (^) and **P▼** (v).

To revert to the previous programme position press ⇄.

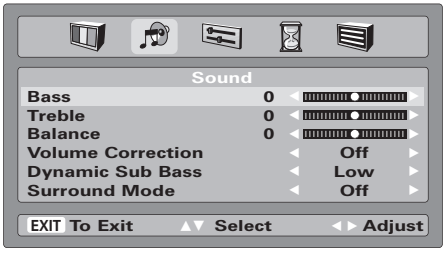
The programme position will be displayed on the screen with the Stereo/Mono indicator, *described on page 15.*

Sound controls

Volume
Press ◿ — (❮) or ◿ + (❯) to adjust the volume.

Sound Mute
Press 🔇 once to turn the sound off and again to cancel.

Bass, Treble and Balance



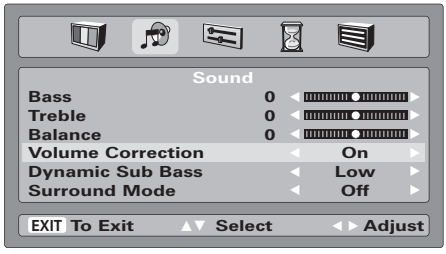
*

1. Press **MENU** and using ❮ or ❯ select the **Sound** menu.
2. Press v to highlight **Bass**, **Treble** or **Balance** and ❮ or ❯ to change the setting.

Volume correction

Volume Correction helps to reduce the difference of volume from one programme/channel to another.

1. Select **Volume correction** from the **Sound** menu.
2. Press ❮ or ❯ to select between **On** and **Off**.

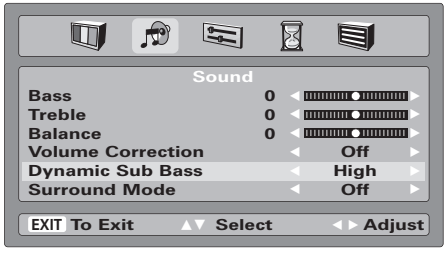


*

Dynamic sub bass

This feature gives a richer sound by filtering the sound level.

1. Select **Dynamic sub bass** from the **Sound** menu.
2. Press ❮ or ❯ to select between **Off**, **Low**, **Mid** and **High**. **High** is the richest sound.



*

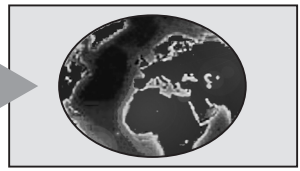
* (ZH37 Models only)

Widescreen viewing

Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press the ⊞ button repeatedly to select between **Super live**, **Cinema**, **Subtitle**, **Wide** and **4:3**.
Please note: Whenever the **MENU** button is pressed the picture size setting will change while the menus are ON the screen. This is to ensure that the menus do not overlap the edges of the viewable area.

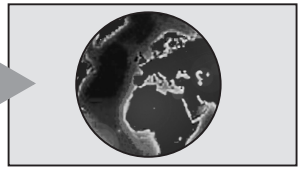
SUPER LIVE

This setting will enlarge the image to fit the screen by stretching the image horizontally, holding the correct proportions at the centre of the image.



CINEMA

When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.

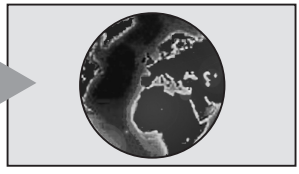


SUBTITLE

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.

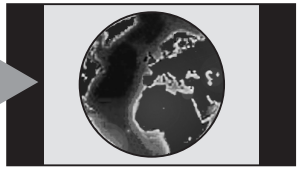
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



4:3

Use this setting to view a true 4:3 broadcast.



Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

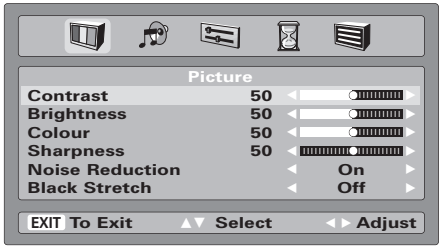
Picture controls

Picture preferences

This television offers the choice of personalising the picture style. Press ⇥◪⇤ to view the different styles available:

***Picture mode-1** to **3** are preset options and **Picture mode-M** stores your own settings:*

1 Press **MENU** and using ❮ or ❯ select the **Picture** menu.



2 Use ❮ or ❯ to adjust the **Contrast**, **Brightness**, **Colour** and **Sharpness**.

Noise Reduction

***Noise Reduction** enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.*

1 Select **Noise Reduction** from the **Picture** menu. Select between **On** and **Off** to obtain the best picture. The differences may not always be noticeable.

Black Stretch

Black Stretch *increases the strength of dark colours to improve the contrast.*

1 In the **Picture** menu press ❯ until **Black Stretch** is highlighted.

2 Press ❮ or ❯ to select between **On** and **Off**. The effect depends on the broadcast and is most noticeable on dark colours.

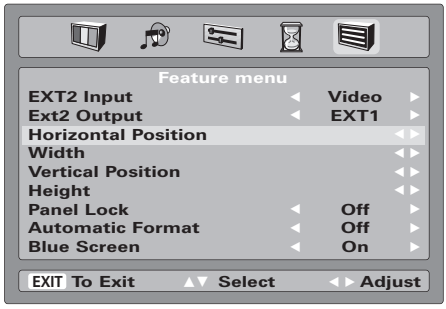
Picture position

The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs.

1 Press **MENU** and using ❮ or ❯ select the **Feature menu**.

The options alter depending on the widescreen format chosen and when viewing connected equipment.

In **Cinema**:



2 Press ❮ and ❯ to select an option, then ❮ or ❯ to adjust the settings.

Automatic format (Widescreen)

*When this TV receives a true Widescreen picture and **Auto format** is **On**, it will automatically be displayed in Widescreen format, irrespective of the TV's previous setting.*

1 Select **Auto format** from the **Picture** menu, then select **On** or **Off**.

Still picture

This television's 100Hz double scanning plus digital picture processing produces a flicker-reduced picture. In addition, a still image can be held on the screen.

1 Press ▼ to hold an image on the screen. Press ▼ again to cancel.

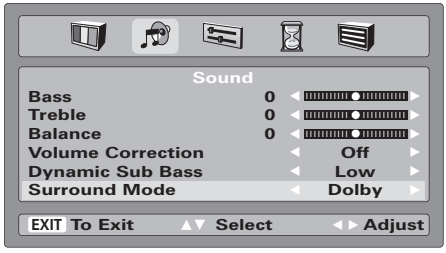
Virtual Dolby Surround (ZH37 models only)

Programmes with Dolby Surround (or Dolby Digital) soundtracks will be greatly enhanced by the effects of Virtual Surround from the TV and connected equipment, e.g. DVD player, games console, etc.

Home theatre surround systems require five or more separate speakers, this TV offers the Virtual Dolby Surround option, the benefits of a five speaker system WITHOUT connecting any additional speakers. In order to obtain the full effect of Virtual Surround, seating must be directly in front of the TVs two speakers to ensure that the timing and frequency response information is preserved.

Selecting Virtual Surround

1 Sit directly in front of the TV. Press **MENU** and ❮ or ❯ to select the **Sound** menu.



2 Press ❯ to select **Surround Mode**, then ❮ or ❯ to select between **Off**, **Spatial**, **Panorama** and **Dolby**. Press **EXIT** to finish.

Alternatively, press ⋈ to highlight **Surround Mode** in the **Sound** menu, then ❮ or ❯ to select between **Off**, **Spatial**, **Panorama** and **Dolby**.

Virtual Surround effects

Spatial
Selecting the Spatial Audio mode will give a widening of the sound. The sound will give the impression of coming from beyond the edges of the TV set.

Panorama
Selecting the Panorama mode gives not only a widening of the sound but also an amount of surround sound. Traditional surround systems give left, right, centre and surround channels, Panorama gives the sensation of these systems without the need for extra speakers.

Dolby
Selecting Dolby (Virtual Dolby) enables the listener to enjoy convincing surround sound from the two speakers in the TV.

After multichannel programme material is decoded by the integrated Dolby Surround Pro Logic decoder, the surround signal is processed by a virtualiser and mixed back into the left and right channels. Playback over stereo speakers results in a phantom centre and a realistic surround image.

Dolby is **not** available through headphones.

Dolby is the abbreviation for Virtual Dolby Surround or Virtual Dolby Digital.

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

The timer, time display, panel lock and stereo/bilingual transmissions

The Timer

The TV can be set to turn itself **On** *or* **Off** *after a certain time.*

1 Press **MENU** and ❮ or ❯ to select the **Timer** menu.

2 Press ❯ to select **On** or **Off timer**. Use the number buttons to set the required time. For example, to switch the TV off in one and a half hours enter 01:30.

3 If setting the **Off timer**, press **EXIT** to finish. If setting the **On timer**, press ❯ to select **On programme**, enter the programme position number required, then press ⏻ to put the TV into Standby. The GREEN On timer indicator on the front of the TV will now be lit.

Any equipment connected with Scart leads must also be put into Standby to prevent them from being displayed when the timer switches on.

Once the **On timer** has been set the TV can be switched on at any time by pressing ⏻. The Green On timer indicator will remain on until the set time period as passed when the TV will go to the chosen channel. This feature can help to avoid missing favourite programmes.

4 To cancel the **On timer**, enter zero in each position including the programme position.

The Time Display

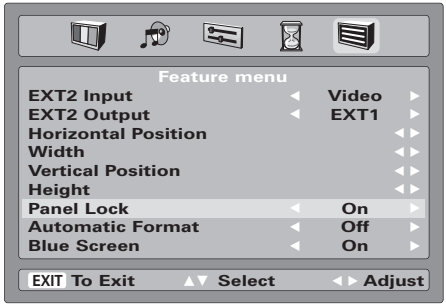
The time display facility allows the current time to be seen on the TV screen.

Press ⏲/EX whilst watching a normal TV broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

Panel lock

Panel Lock *disables the buttons on the front of the TV. All buttons on the remote control can still be used.*

1 From the **Feature menu** select **Panel Lock** and choose **On** or **Off** using ❮ or ❯.


Feature menu
EXT2 Input ◄ Video ►
EXT2 Output ◄ EXT1 ►
Horizontal Position ◄►
Width ◄►
Vertical Position ◄►
Height ◄►
Panel Lock ◄ On ►
Automatic Format ◄ Off ►
Blue Screen ◄ On ►
EXIT To Exit ▲▼ Select ◄► Adjust

When **Panel Lock** is **ON**, a reminder will appear when any of the front panel buttons are pressed. Once the set has been switched off it can ONLY be brought out of standby using the remote control.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo... Press ⏀ I/II to select ***Stereo*** or ***Mono***.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word ***Dual*** will display. Choose the required programme number and if the word ***Dual*** appears press ⏀ I/II to select ***Sound A***, ***Sound B*** or ***Mono***.

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 5 for a clear view of the back connection recommendations.

Most VCRs and decoders send a signal through the Scart lead to switch the TV to the correct *Input* socket. Alternatively press the external source selection button ⊕ until the picture from connected equipment is shown.

An ***S*** e.g. ***EXT2S***, indicates the input is set for an S-Video signal.

Input selection

Use the Input Selection if the TV does not switch over automatically.

1. Press ⊕ to select **EXT1**, **EXT2** or **EXT3**.

   EXT1 displays equipment connected to *Scart 1*.

   EXT2 displays equipment connected to *Scart 2*.

   EXT3 displays equipment connected to *Input 3* on the front of the TV.

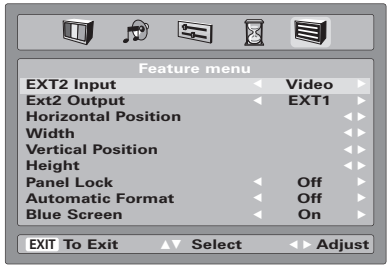
2. To return to TV mode press ⊕ again or one of the numbered buttons.

INPUT signal selection

This specifies the type of signal going into Scart 2 (**EXT2**) on the back of the TV. Please refer to the manufacturers instructions for the connected equipment.

1. From the **Feature menu** select **EXT2 input** and with ❮ or ❯ select either **Video** or **S-VIDEO** as the required ***input***.

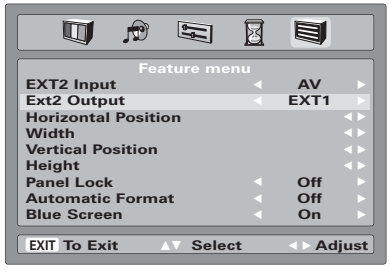
If the colour is missing try the alternative setting.



OUTPUT signal selection for Scart 2

This enables selection of the source to *output* from Scart 2. For example, to record transmissions in stereo from a stereo decoder – connect a stereo decoder to Scart 1 and stereo VCR to Scart 2, then select **EXT1** as the **Ext2 output**. The signal received through Scart 1 will output directly through Scart 2.

1. Select **Ext2 output**.



2. Use ❮ or ❯ to change the **Ext2 output** option to:

   Monitor = The picture on screen.

   TV = The last television programme selection.

   EXT1 = The picture from equipment connected to Scart 1.

   EXT3 = The picture from equipment connected to the front input sockets.

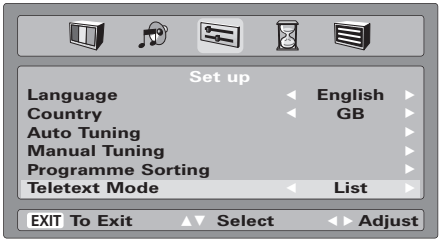
Teletext – setting up, general information, Auto and List modes

This TV has a multi-page teletext memory, which takes a few moments to load. It offers two ***Modes*** of viewing text – **Auto** will display **Fastext**, if available. **List** will store your four favourite pages.

Selecting Modes

The teletext character set will be automatically chosen by the language setting in the **Set up** *menu.*

1. Select **Teletext mode** from the **Set up** menu.
2. With ❮ or ❯ choose **Auto** or **List** then press **EXIT**.



Teletext information

The ☰/▢ button:

To view teletext press ☰/▢. Press again to superimpose the teletext over a normal broadcast picture and again to return to normal viewing. Programmes cannot be changed until teletext is cancelled.

The first text page shown will be the *initial* page.

In **Auto** mode this displays the main subjects available and their relevant page numbers.

In **List** mode this displays whichever page number is currently stored on the **RED** button.

In either mode any teletext page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing **P▲** (^) to advance to the next page and **P▼** (v) to go back to the previous page.

Navigating pages using Auto

If **Fastext** is available four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast teletext index page or, consult your local Toshiba dealer.

Navigating pages using List

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300 and 400, which have been programmed into the TV's memory. To view these pages press the relevant coloured buttons.

To *change* these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

Press **OK** to store. The bars at the bottom of the screen will flash white. **Whenever OK is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.**

If **OK** is not pressed the selection will be forgotten when teletext is cancelled.

Other pages may be viewed by entering the 3 digit page number – but DO NOT press **OK** or these pages will be stored.

Teletext continued
– control buttons

Below is a guide to the functions of the remote control teletext buttons.

To display an index/initial page:

Auto
Press to access index pages. The one displayed is dependant on the broadcaster.

List
Press to return to the page currently stored on the **RED** button.

To display a page of teletext:

Press to display teletext**.** Press again to superimpose teletext over a normal broadcast picture. Press again to return to normal TV viewing. Programmes cannot be changed until you return to normal TV.

To reveal concealed text:

To discover the solutions on quiz and joke pages press the button.

To hold a wanted page:

At times it is convenient to hold a page of text. Press and will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

To enlarge the teletext display size:

Press once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

Remember to cancel teletext before changing channels – press the button twice.

To select a page whilst viewing a normal picture:

Enter the page number then press , a normal picture will be displayed. The TV will indicate when the page is present by displaying the page number at the top of the screen. Press to view the page.

For example:

To display news flashes:
Select the news flash page for the chosen teletext service (see the index page of teletext service). Press , the TV willl indicate when the page is present by displaying the page number at the top of the screen. To view the page press . Press again to cancel the display.

In order to be able to cancel teletext, the current page must be on screen: press to view, then press twice to cancel.

For quick reference to topics, see the INDEX at the back of this manual.

Questions and Answers

Below are the answers to some of the most common queries.

Q *Why is there no sound or picture?*

A Check the mains switch is on and check all connections.
Check the TV is not in standby mode.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the TV as shown on page 5, then select the correct input by pressing ⇥.

Q *Why is there a good video picture but no sound?*

A Check the Scart lead connection.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different TV station. ***Manual fine tuning*** may help.

Q *Why is the video/DVD in black and white?*

A Check the correct ***input*** has been chosen, **S-VIDEO** or **Video**. See ***AV connections***.

Q *Why doesn't the remote control work?*

A Check the side switch on the remote control is in TV mode.
Check the batteries aren't dead or inserted incorrectly.

Q *Why don't the controls on the front of the TV work?*

A Check that **Panel Lock** is not **On**.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing **CALL**.

Q *Why has the screen turned blue?*

A **Blue Screen** in the **Feature menu** is **On**. When no signal is being received, the TV will turn off the sound and switch the TV screen to blue. After 15 minutes the TV will switch to Standby mode.

Q *Why are there problems with teletext?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the Text is unreadable or garbled, check the aerial. Go to the *main index* page of the teletext service and look for the *User Guide*. This will explain the basic operation of teletext in some detail. If further information is needed on how to use text *see the teletext section.*

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you ***do not*** *use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

When the set reaches the end of its useful life please dispose of it in accordance with Local Government Regulations or at a recycling centre.

INDEX

Subject	Page
Auto Tuning	7
Automatic Format (Widescreen)	13
AV connections	16
Balance	11
Bass	11
Bilingual Broadcast	15
Black Stretch	13
Blue Screen	19
Brightness	13
Broadcast System	7
Colour	13
Connections – back	5
Connections – front	6
Contrast	13
Controls	6
Country	7
Direct Entry of Channels	9
Dynamic Sub Bass	11
Headphone Socket	7
Input Selection	16
Language	7
Manual Fine Tuning	10
Manual Tuning	8
Mono	5
Noise Reduction	13
Panel Lock	15
Picture Position	13
Picture Preferences	13
Programme Selection	11
Programme Skip	9
Programme Sorting	10
Questions and Answers	19
Remote Control	4
Scart	5
Sharpness	13
Sound Mute	11
Standby	6
Stereo	15
Still Picture	13
Switch on TV	6
Teletext	17
Time Display	15
Timer	15
Treble	11
Tuning a programme position for your VCR	8
Tuning – Auto	7
Tuning – Manual	8
Virtual Dolby Surround (ZH37 models only)	14
Volume	11
Volume Correction	11
Widescreen viewing	12

Specifications and accessories

Broadcast systems/channels

PAL-I	UHF	UK21-UK69
PAL-B/G	UHF	E21-E69
	VHF	E2-E12, S1-S41
SECAM-L	UHF	F21-F69
	VHF	F1-F10, B-Q
SECAM-D/K	UHF	R21-R69
	VHF	R1-R12

Video Input PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin Scart	RGB, A/V
EXT2	Input/Output	21-pin Scart	A/V, S-video, Selectable output
EXT3	Input (front)	Phono jack	Video
		Phono jacks	Audio L + R

Programme Positions		100
Stereo		Nicam 2 carrier system (IGR)
Visible Screen Size (approx.)		28ins 66cm 32ins 76cm
Display		16:9
Sound output (at 10% distortion)		Main 5W + 5W
Power consumption as specified in EN60107-1 : 1997		28ins 115W 32ins 101W
Standby		28ins <2W 32ins <2W
Dimensions (approx.)	28ins	54cm (H) 84cm (W) 50cm (D)
	32ins	60cm (H) 90cm (W) 55cm (D)
Weight (approx.)		28ins 40kg 32ins 55kg
Headphone socket		3.5mm stereo
Accessories		Remote control 2 batteries (UM-4, AAA, IEC R03 1.5V)

Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

Printed on recycled paper. 100% Chlorine free.

© Toshiba Information Systems (U.K.) Limited
All rights reserved.
Reproduction in whole or part without written permission is strictly prohibited.

Toshiba Information Systems (U.K.) Limited
Consumer Products Division,
European Service Centre,
Admiralty Way, Camberley,
Surrey, GU15 3DT, UK

Specification is subject to change without notice.

2356 5955A

Originated by Kensa Creative Solutions, Saltash, Cornwall.